
STACIA DREYER, Ph.D.

Arizona State University
School for the Future of Innovation in Society
stacia.dreyer@asu.edu

EDUCATION

- 2014 Ph.D. Environmental Psychology and Behavioral Economics
University of Maine
- 2009 M.Ed. Environmental Education
Western Washington University
- 2002 B.A. Psychology
Truman State University
Cum Laude

CURRENT PROFESSIONAL APPOINTMENTS

- 2017 – Present. **Assistant Research Professor.** School for the Future of Innovation in Society, Arizona State University.
- 2017 – Present. **Senior Sustainability Scientist.** Julie Ann Wrigley Global Institute of Sustainability, Arizona State University.

GRANTS, FELLOWSHIPS, AND SELECT AWARDS

- 2019 **Swette Center Seed Grant.** Swette Center for Sustainable Food Systems. “ASU Campus as a Sustainable Consumption Lab: Designing Interdisciplinary Education to Intervene in High-Impact Student Food Behaviors.” PI’s: D. Fischer and **S. Dreyer.** (\$5,000)
- Early Career Grant.** 2nd International Conference on Energy Research and Social Science. (\$300)
- 2017 **Innovations at the Nexus of Food, Energy and Water Systems (INFEWS) Grant.** US Department of Agriculture. “Reducing Resource Use at the Seafood-Energy-Water Nexus: Focus on Efficient Production and Waste Reduction.” PI: R. Neff (JHU), co-PIs: **S. Dreyer** and L. Jenkins (ASU), J. Anderson, F. Asche, and M. Brown (UF), J. Fry and D. Love (JHU). (\$1,470,000)
- 2016 **Postdoctoral Mentoring Award.** University of Washington. (\$2,000)
- Social Science Immersion Workshop Fellowship.** National Socio-Environmental Synthesis Center. (\$2,000 honorarium)
- 2012 **Endeavour Research Fellowship.** Endeavour Awards, Australian Government. 2012. (\$25,465)

2010 – 2014 **Sustainability Solutions Initiative Graduate Research Fellowship.** University of Maine. (\$89,762)

2008 **Experiential Learning Grant.** Huxley College of the Environment. 2008. (\$400)

PEER REVIEWED PUBLICATIONS

2019 **Dreyer, S.J.**, Beaver, E., Polis, H.J., Jenkins, L.D. Fish, finances, and feasibility: Concerns about tidal energy development in the United States. *Energy Research and Social Science* 53, 126-136.

2018 Ritzman, J., Moore, S., Brodbeck, A., Brostrom, S., McGrew, S., **Dreyer, S.**, Klinger, T. Economic and sociocultural impacts of fisheries closures in two fishing-dependent communities following the massive 2015 U.S. West Coast harmful algal bloom. *Harmful Algae* 80, 35-45.

Jenkins, L.D., **Dreyer, S.J.**, Polis, H.J., Beaver, E., Kowalski, A.A., Linder, H., McMillin, T.N., McTiernan, K.L., Rogier, T.T., Wiesebron, L.E. Human dimensions of tidal energy: A review of theories and frameworks. *Renewable and Sustainable Energy Review* 97, 323-337.

2017 **Dreyer, S.J.**, Polis, H.J., Jenkins, L.D. Changing Tides: Acceptability, support, and perceptions of tidal energy in the United States. *Energy Research and Social Science* 29, 72-83.

Polis, H.J., **Dreyer, S.J.**, Jenkins, L.D. Public willingness to pay and policy preferences for tidal energy research and development: A study of households in Washington state. *Ecological Economics* 136, 213-225.

2016 Meyer, S.R., Levesque, V.R., Bieluch, K.H., Johnson, M.L., McGreavy, B., **Dreyer, S.**, & Smith, H. Sustainability science graduate students as boundary spanners. *Journal of Environmental Studies and Sciences* 6(2), 344-353.

2015 **Dreyer, S.J.**, Walker, I., McCoy, S.K., & Teisl, M.F. Australians' views on carbon pricing before and after the 2013 federal election. *Nature Climate Change* 5, 1064-1067.

Dreyer, S.J., Teisl, M.F., & McCoy, S.K. Are acceptance, support, and the factors that affect them, different? Examining perceptions of US fuel economy standards. *Transportation Research Part D: Transport and Environment* 39, 65-75.

2014 **Dreyer, S.J.**, & Walker, I. Acceptance and support of the Australian carbon policy. *Social Justice Research* 26, 343-362.

Under review/submitted

2019 **Dreyer, S.**, Kurz, T., Prosser, A., Dennings, K., McNeill, I., Saber, D., Swim, J. & Walton, A. Towards a Psychology of the Food-Energy-Water Nexus: Costs and Opportunities, *Under review at Journal of Social Issues, Special Issue on Sustainable Consumption.*

Manuscripts in progress

2019 Beaver, E., **Dreyer, S.J.**, Jenkins, L.D. A Comparative Case Study of Instream Tidal Energy Siting Locations.

Moore, S., **Dreyer, S.**, Allison, E., Klinger, T. Harmful algal blooms and coastal communities: Socio-cultural impacts, perceptions of health risk and fisheries management, and mitigative actions.

Moore, K., Allison, E., **Dreyer, S.**, Ekstrom, J., Jardine, S., Klinger, T., Moore, S., & Norman, K. Resilience to harmful algal blooms: factors determining human wellbeing outcomes in fishery dependent communities.

RESEARCH EXPERIENCE

2017 – 2018 **Consultant.** Pacific Northwest National Laboratory, US Department of Energy.

2016 – 2017 **Research Associate.** School of Marine and Environmental Affairs, University of Washington.

2016 – 2017 **Assistant Research Scientist.** School for the Future of Innovation in Society, Arizona State University.

2014 – 2016 **Research Associate.** School of Marine and Environmental Affairs, University of Washington.

2010 – 2013 **Sustainability Solutions Initiative Graduate Research Fellow.** University of

2012 – 2013 **Endeavour Awards Research Fellow.** Commonwealth Scientific and Industrial Research Organisation (CSIRO), Social & Economic Sciences Program. Perth, Western Australia.

2008 – 2009 **Research Assistant.** Western Washington University. Border Policy Research Institute.

TEACHING EXPERIENCE

- 2015 – 2016 University of Washington
Co-instructor: Harmful Algal Bloom Capstone Course (SMEA 650)
- 2014 University of Washington.
Co-instructor: Human Dimensions of Tidal Energy (SMEA 550 E/D)
- 2010 Western Washington University.
Instructor: Service-learning, Place-based Education, and Wetland Restoration (ESTU 499U)
- 2007 – 2009 Learning, Environment, Action and Discovery. Western Washington University.
Co-Director/Teaching Assistantship

COMPETITIVE PROFESSIONAL DEVELOPMENT AND TRAINING

- 2019 Energy Innovation and Management Workshop. Information Technology and Innovation Foundation, Washington DC.
- 2018 Professional Development Workshop on Leadership Skills. Earth Science Women's Network, University Corporation for Atmospheric Research, CO.
- Data to Motivate Synthesis Workshop. National Socio-Environmental Synthesis Center, MD.
- Psychology of Sustainable Consumption Small Group Meeting. University of Pennsylvania, PA.
- 2016 Social Science Immersion Workshop. National Socio-Environmental Synthesis Center, MD.
- 2011 Conservation Psychology Summer Institute. Antioch University, NH.

ADDITIONAL PROFESSIONAL DEVELOPMENT AND TRAINING

- 2017 Science Communication Training. University of Washington, WA.
- Science Advocacy Workshop. Union of Concerned Scientists and Program on Climate Change. University of Washington, WA.
- 2015 Conducting Field Experiments. 1-day course. University of Groningen, The Netherlands.
- Qualitative Research Methods. Inter-university Consortium for Political and Social Research Summer Program. 3-day short course. University of North Carolina, NC.

Socio-Technical Integration Research (STIR) Training. Consortium for Science, Policy and Outcomes. 2-day training. Arizona State University, AZ.

Turning Your Research into News: A Science Communication Workshop. College of the Environment and Seven November, Inc. University of Washington, WA.

TRAVEL AWARDS

2018 Psychology of Sustainable Consumption, University of Pennsylvania.

2017 Office of Postdoctoral Affairs, University of Washington.

College of the Environment, University of Washington.

2011 Dale and Julia Flanders Fund for Innovative Research in Sustainability Science.

Graduate Student Government, University of Maine.

2010 Graduate Student Government, University of Maine.

OTHER AWARDS/HONORS

2007 – 2009 Graduate Tuition Waiver. Western Washington University.

2005 North Carolina Outward Bound Scholarship.

Education Award (x2). National Corporation for Community Service (AmeriCorps).

2001 McNair Scholar. Ronald E. McNair Post-Baccalaureate Achievement Program.

SELECT PRESENTATIONS

2019 **Dreyer, S.**, Beaver, E., Polis, H.J., Jenkins, L.D. Tidal energy: Problem or solution? A summary of views around tidal energy development in Puget Sound, WA. Energy Research and Social Science Conference. Tempe, AZ. (Paper)

2018 **Dreyer, S.**, Beaver, E., Polis, H.J., Jenkins, L.D. Voices of the people: A comparison of three tidal energy studies of public opinion and media. American Psychological Association. San Francisco, CA. (Paper).

Freeman, M., Copping, A., Gorton, A., **Dreyer, S.** Overcoming barriers to marine renewables energy development. Environmental Interactions of Marine Renewables. Kirkwall, Orkney, Scotland, UK. (Paper).

- Copping, A., Freeman, M., Gorton, A., **Dreyer, S.** Managing environmental effects to facilitate marine renewable development. Asian Wave and Tidal Energy Conference. Taipei, Taiwan. (Paper).
- Copping, A., Freeman, M., Gorton, A., **Dreyer, S.** Managing environmental effects of Marine renewable energy development through regulator engagement and data transferability. Marine Energy Technology Symposium. Washington D.C. (Paper).
- Dreyer, S.** Psychology and Theatre: Exploring the Science of Changing Your Mind through Short Plays. American Psychological Association. San Francisco, CA. (Artistic Project).
- Dreyer, S.**, Neff, R, Jenkins, L.D. Frozen: A consumer seafood intervention to reduce waste. International Conference of the Sustainable Consumption Research and Action Initiative. Copenhagen, Denmark. (Paper).
- Dreyer, S.** and Kurz, T. The Food-Energy-Water Nexus: What can psychology contribute? The Psychology of Sustainable Consumption Small Group Meeting, hosted by Society for the Psychological Study of Social Issues and the Society of Australasian Social Psychologists. Philadelphia, PA. (Workshop).
- 2017 **Dreyer, S.** and Allison, E. Using mixed methods and epistemologies to understand and strengthen coastal community resilience to harmful algal blooms. Resilience 2017. Stockholm, Sweden. (Paper).
- Dreyer, S.**, Polis, H., Jenkins, L. Changing tides: Acceptability, support, and perceptions of tidal energy in Washington state, USA. Energy Impacts Symposium. Columbus, OH. (Paper).
- 2016 **Dreyer, S.**, Polis, H., Jenkins, L. Human Dimensions of Marine Renewable Energy: A Focus on Psychological Constructs of Tidal Energy R&D. American Psychological Association. Denver, CO. (Paper).
- 2015 **Dreyer, S.**, Polis, H., Jenkins, L. McMillin, N. Rethinking Distributive Justice in the Wake of Emerging Wave and Tidal Energy. Canada & United States Societies for Ecological Economics Joint Biennial Conference. Vancouver, British Columbia. (Paper).
- Dreyer, S.** Acceptability, Acceptance, and Support for Environmental Policies: How can we operationally define and measure these constructs? Biennial Conference on Environmental Psychology. Groningen, The Netherlands. (Paper).
- 2014 **Dreyer, S.** The Impact of Perceived Fairness on Acceptance and Support of Fuel Economy Standards in Maine. International Society of Justice Research, New York City, NY. (Paper presented within symposium, "Perceived justice and environmental policy").

- Dreyer, S., & Walker, I.** A Two-Dimensional Differentiation of Environmental Policy Support and Acceptance. Society for Personality and Social Psychology. Austin, TX, (Poster).
- 2013 **Dreyer, S.** Surfing & Psychology: Surfers' Experience, Identity, and Empowerment in Context. American Psychological Association. Honolulu, HI. (Symposium discussant).
- Dreyer, S., & Walker, I.** Acceptance and Support of the Australian Carbon Policy. American Psychological Association. Honolulu, HI. (Paper).
- 2012 **Dreyer, S., Pickering, R., Smith, H., Ingrams, A., Silka, L.** Interdisciplinary Approaches to Sustainability - Graduate Students Researching Environmental Issues. American Psychological Association. Orlando, FL (Conversation Hour).
- Dreyer, S., McCoy, S.K., Teisl, M.** Intentions Pave the Road: An Environmental Economics Application of the Theory of Planned Behavior. Association for Psychological Sciences. Chicago, IL (Poster).
- 2011 **Dreyer, S., McCoy, S.K., Teisl, M., Wellman, J.D.** Get Outside and Play! Outdoor Recreation Increases Proenvironmental Behavior. Society for Personality and Social Psychology, San Diego, CA (poster). Also presented at preconference for Sustainability Psychology.
- Dreyer, S., McCoy, S.K., Newell, E.E., Noblet, C., Pickering, R., Teisl, M., Wellman, J.D., Wibberly, M.** The Attitude/Behavior Link: Do Environmental Attitudes Predict Environmental Behavior and Recreation Orientation? Association for Psychological Sciences. Washington D.C. (Poster).

CAMPUS/DEPARTMENTAL TALKS

- 2019 Plenary Address. Opportunities and Challenges in Interdisciplinary Research and Collaboration. Student Research Conference, Truman State University
- 2018 Invited Panelist. McNair Alumni Graduate School and Career Panel. McNair Scholars Program, Truman State University.
- 2017 Invited Speaker. "Belonging and Thriving as a First-Generation Graduate Student." Fall Reception for First-Generation UW Graduate Students, University of Washington.
- Invited Panelist. "Marine Renewable Energy in the PNW." Marine Technology Summit.
- Invited Speaker. "Human Dimensions of Tidal Energy Technology and Development." School for the Future of Innovation in Society, Arizona State University.
- Invited Speaker. "Public Attitudes Towards Marine Renewable Energy." International Delegation of Climate Change Leaders: Our Planet – Climate Change and Renewable Energy, University of Washington.

2015 Guest Lecture. “Tidal Energy – Towards a Sustainability Certification Program.” Topics in Marine Affairs (500). School of Marine and Environmental Affairs, University of Washington.

Invited Speaker. “Washington Residents’ Views on Tidal Energy.” Northwest National Marine Renewable Energy Center Annual Meeting, Portland, OR.

Invited Panelist. McNair Scholars Conference Faculty Panel. McNair Scholars Program and Early Identification Program, University of Washington.

2014 Guest Lecture. “The Current Status of Tidal Energy in the PNW and the Role of UW Researchers.” Topics in Marine Affairs (500). School of Marine and Environmental Affairs, University of Washington.

Invited Talk. “Acceptance and Support of Environmental Policies.” Sustainability Solutions Initiative, All-team meeting, University of Maine.

2013 Invited Talk. “Carbon Policy Research Review: To Australia and Beyond.” Ecosystem Sciences Group, Commonwealth Scientific and Industrial Research Organization.

PROFESSIONAL LEADERSHIP

2017 - present Workshop Planning Committee Member. Social Science for the Salish Sea.

2016 – present Social Science Advisory Committee. Puget Sound Partnership.

2017 – 2018 Planning Committee Member. Eradicating Poverty through Energy Innovation Workshop. School for the Future of Innovation in Society.

2017 Postdoc Community Planning Committee. College of the Environment, University of WA.

2015 – 2017 Communications Committee Member. Society for Environmental, Population, and Conservation Psychology.

2014 -2016 Preconference Planning Committee Member. Sustainability Psychology Preconference of the Society for Personality and Social Psychology Conference.

2015 Advisory Board Member. Inventing Green Project of the American Association for the Advancement of Science.

McKernan Award Committee. School of Marine and Environmental Affairs, University of WA.

Conference Planning Committee Member. Society for Environmental, Population, and Conservation Psychology.

2013 - 2011 Student Chair and Chair-Elect. Society for Environmental, Population, and Conservation Psychology.

Reviewer for Energy Research and Social Science, Climatic Change, Environmental Politics, Journal of Coastal Management, Social Justice Research, and Arboriculture and Urban Forestry.

PROFESSIONAL ORGANIZATIONS/AFFILIATIONS

American Psychological Association: Division 34 - Society for Environmental, Population, and Conservation Psychology (Member)

Society for the Psychological Study of Social Issues (Member)

Sustainable Consumption Research and Action Initiative (Affiliate)

Northwest National Marine Renewable Energy Center (Affiliate)

International Network for Offshore Renewable Energy (Affiliate)

Society for Personality and Social Psychology (Past Member)

United States Society for Ecological Economics (Past Member)

Association for Psychological Science (Past Member)

Society for Human Ecology (Past Member)